

CHAPTER 11-55 APPENDIX H

NPDES GENERAL PERMIT AUTHORIZING DISCHARGES OF TREATED PROCESS WASTEWATER ASSOCIATED WITH PETROLEUM BULK STATIONS AND TERMINALS

September 2002

1. Coverage under this General Permit
 - (a) This general permit covers only discharges of treated process wastewater effluent from petroleum bulk stations and terminals upon compliance with the applicable general permit requirements. Treated process wastewater effluent covered by this general permit includes tank water draws; product displacement process wastewater; wash down and fire hydrant system test waters; service station tank draws; recovered groundwater; and contaminated storm water runoff from the product storage and handling areas.
 - (b) This general permit covers all areas of the State except for discharges in or to state waters classified by the department as "class 1, inland waters," "class AA, marine waters," and areas restricted in accordance with the State's "No Discharge" policy in chapter 11-54 entitled "Water Quality Standards."
2. Limitations on Coverage under this General Permit
 - (a) This general permit does not cover the following:
 - (1) Discharges of treated effluent into a sanitary sewer system and

CHAPTER 11-55 APPENDIX H

- (2) Discharges of treated effluent which initially enter separate storm water drainage systems, unless a permit, license, or equivalent written approval is granted by the owner(s) of the drainage system(s) allowing the subject discharge to enter their drainage system(s).
 - (b) The director may require any permittee authorized by this general permit to apply for and obtain an individual permit, in accordance with sections 11-55-34.05 and 11-55-34.10.
3. Term of General Permit
- (a) This general permit becomes effective when section 11-55-34.02(b)(7) becomes effective ten days after filing with the office of the lieutenant governor. This general permit expires five years after the effective date or when amendments to section 11-55-34.02(b)(7) are adopted, whichever is earlier.
 - (b) A notice of general permit coverage under this general permit expires:
 - (1) Five years after the effective date of this general permit;
 - (2) When the notice of general permit coverage specifies; or
 - (3) When amendments to section 11-55-34.02(b)(7) are adopted,

CHAPTER 11-55 APPENDIX H

whichever is earliest, unless the notice of general permit coverage is administratively extended under section 11-55-34.09(d).

4. Notice of Intent Requirements

- (a) The owner or its duly authorized representative shall submit a complete notice of intent no later than thirty days before the proposed starting date of the discharge or thirty days before the expiration date of the applicable notice of general permit coverage.
- (b) The owner or its duly authorized representative shall include the following information in the notice of intent:
 - (1) Information required in section 34 of appendix A of chapter 11-55;
 - (2) List of up to four Standard Industrial Classification codes or North American Industrial Classification System codes that best represent the products or activities of the facility;
 - (3) Brief description of the nature of business conducted at the facility;
 - (4) Description of the following for each outfall:
 - (A) All operations contributing wastewater and contaminated storm water runoff to the effluent;

CHAPTER 11-55 APPENDIX H

- (B) The average flow contributed by each operation and contaminated storm water runoff;
 - (C) The treatment received by the wastewater and contaminated storm water runoff; and
 - (D) The average and maximum daily flow rates of the effluent discharge;
- (5) Quantitative data on pollutants that the owner or operator of the facility knows or reasonably should know are or will be present in the discharge and for which the pollutants numerical criteria for the existing or proposed receiving state waters are specified in chapter 11-54, especially section 11-54-04;
- (6) Name, street address, and phone and fax numbers of each contract laboratory or consulting firm that performed any of the analyses in accordance with section 4(b)(5), as applicable. This information shall be submitted with the notice of intent or thirty days before the start of discharge(s); and
- (7) Treatment system operations plan which specifies the treatment system to be used and describes its operation in detail. The plan shall include a sampling plan and a detailed schedule for sampling and analysis of the effluent. The treatment system operations plan shall be modified by the permittee as requested by the director.

CHAPTER 11-55 APPENDIX H

- (c) The director may require additional information to be submitted.
- (d) The owner or its duly authorized representative shall submit a complete notice of intent to the director at the following address or as otherwise specified:

Director of Health
Clean Water Branch
Environmental Management Division
State Department of Health
P.O. Box 3378
Honolulu, Hawaii 96801-3378

5. Standard Conditions

The permittee shall comply with the standard conditions as specified in appendix A of chapter 11-55. In case of conflict between the conditions stated here and those specified in the standard general permit conditions, the more stringent conditions shall apply.

6. Effluent Limitations and Monitoring Requirements

- (a) The effluent shall be limited and monitored by the permittee as specified in this section and in Table 34.6. (Daily maximum effluent limitations for saline water apply only when discharges to saline water occur and daily maximum effluent limitations for fresh water apply only when discharges to fresh water occur.)

(1) Sampling Points

The permittee shall collect representative discharge samples at the

CHAPTER 11-55 APPENDIX H

end of effluent discharge point(s) prior to entering the receiving state water or separate storm water drainage systems.

(2) Collection of samples

The permittee shall take samples and measurements for the purposes of monitoring which are representative of the volume and nature of the total discharge.

(3) Type of Sample

"Grab Sample" means an individual sample collected within the first fifteen minutes of a discharge.

(4) Test Procedures

(A) The permittee shall use test procedures for the analysis of pollutants that conform with regulations published under Section 304(h) of the Act.

(B) Unless otherwise noted in this general permit, the permittee shall measure all pollutant parameters in accordance with methods prescribed in 40 CFR Part 136, promulgated under Section 304(h) of the Act. The permittee may submit applications for the use of alternative test methods in accordance with 40 CFR Section 136.4.

CHAPTER 11-55 APPENDIX H

- (C) The permittee shall use test methods with detection limits that reflect the applicable numerical limitations as specified in chapter 11-54. If the test result is not detectable, indicate that the test result is "less than #," where the # is the lowest detection limit of the test method used.

(5) Recording of Results

The permittee shall comply with section 14(c) of appendix A of chapter 11-55 for each measurement or sample taken under the requirements of this general permit.

(b) Basic Water Quality Criteria and Inspections

- (1) The permittee shall not cause or contribute to a violation of the basic water quality criteria as specified in section 11-54-04.
- (2) The permittee shall timely inspect the receiving state waters, effluent, and control measures and best management practices to detect violations of and conditions which may cause violations of the basic water quality criteria as specified in section 11-54-04. (e.g., the permittee shall look at effluent and receiving state waters for turbidity, color, floating oil and grease, floating debris and scum, materials that will settle, substances that will produce taste in the water or detectable off-flavor in fish, and inspect for

CHAPTER 11-55 APPENDIX H

items that may be toxic or harmful to human or other life.)

- (c) The permittee shall collect the following information for each batch discharge: date, duration (in hours), starting and ending times, and volume.
- (d) There shall be no discharge of floating solids or visible foam.
- (e) There shall be no visible oil sheen in the effluent.

7. Corrective Action

The permittee shall immediately stop, reduce, or modify the discharge as needed to stop or prevent a violation of the basic water quality criteria as specified in section 11-54-04.

8. Reporting Requirements

(a) Reporting of Monitoring Results

- (1) The permittee shall report monitoring results on a discharge monitoring report form (EPA No. 3320-1). The permittee shall submit results of all monitoring required by this general permit in a format that demonstrates compliance with the limitations in Table 34.6 and other requirements of this general permit.
- (2) The permittee shall submit monitoring results obtained during the previous calendar month and the results shall be postmarked no later than the twenty-

CHAPTER 11-55 APPENDIX H

eighth day of the month following the completed reporting period.

- (3) The permittee shall also submit the monitoring results with laboratory reports, including quality assurance/quality control data; effluent flow calculations; and any additional treatment strategies to be implemented based on monitoring results.
 - (4) Should there be no discharges during the monitoring period, the discharge monitoring report form shall so state.
- (b) Additional Monitoring by the Permittee

If the permittee monitors any pollutant at location(s) designated herein more frequently than required by this general permit, using approved analytical methods as specified in section 6(a)(4)(B), the permittee shall include the results of this monitoring in the calculation and reporting of the values required in the discharge monitoring report form. The permittee shall also indicate the increased frequency.

- (c) Reporting of Noncompliance, Unanticipated Bypass, or Upset

- (1) The permittee or its duly authorized representative shall orally report any of the following when the permittee or its duly authorized representative becomes aware of the circumstances:
 - (A) Violation of an effluent limitation specified in Table 34.6 or a basic

CHAPTER 11-55 APPENDIX H

water quality criterion specified
in section 6;

- (B) Discharge or noncompliance with
effluent limitations which may
endanger health or the environment;
or
 - (C) Unanticipated bypass or upset.
- (2) The permittee shall make oral reports by
telephone to the Clean Water Branch at
(808) 586-4309 during regular office
hours which are Monday through Friday
(excluding holidays) from 7:45 a.m.
until 4:15 p.m. or the Hawaii State
Hospital Operator at (808) 247-2191
outside of regular office hours.
- (3) The permittee shall provide a written
report within five days of the time the
permittee or its duly authorized
representative becomes aware of the
circumstances. The written report shall
include the following:
- (A) Description of the noncompliance,
unanticipated bypass, or upset and
its cause;
 - (B) Period of noncompliance,
unanticipated bypass, or upset
including exact dates and times;
 - (C) Estimated time the noncompliance,
unanticipated bypass, or upset is
expected to continue if it has not
been corrected; and

CHAPTER 11-55 APPENDIX H

(D) Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance, unanticipated bypass, or upset.

(4) The director may waive the written report on a case-by-case basis if the oral report has been received within twenty-four hours.

(d) Planned Changes

The permittee shall report any planned physical alterations or additions to the permitted facility, not covered by 40 CFR §122.41(l)(1)(i), (ii), and (iii) to the director on a quarterly basis.

(e) Schedule of Maintenance

The permittee shall submit a schedule for approval by the director at least fourteen days prior to any maintenance of facilities which might result in exceedance of effluent limitations. The schedule shall include a description of the maintenance and its reason; the period of maintenance, including exact dates and times; and steps taken or planned to reduce, eliminate, and prevent occurrence of noncompliance.

9. Submittal Requirements

(a) The owner or its duly authorized representative shall submit signed copies of monitoring and all other reports required by this general permit to the director at the following address or as otherwise specified:

CHAPTER 11-55 APPENDIX H

Director of Health
Clean Water Branch
Environmental Management Division
State Department of Health
P.O. Box 3378
Honolulu, HI 96801-3378

- (b) The owner or its duly authorized representative shall include the following certification statement and signature on each submittal in accordance with section 11-55-07(b):

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations."

- (c) The owner or its duly authorized representative shall include the notice of general permit coverage file number on each submittal. Failure to provide the assigned general permit file number for this facility on future correspondence or submittals may be a basis for delay of the processing of the document(s).

CHAPTER 11-55 APPENDIX H

10. Additional Conditions

The director may impose additional conditions under section 11-55-34.09(b).

11. Record Retention

The permittee shall retain all records and information resulting from the monitoring activities required by this general permit including all records of analyses performed and calibration and maintenance of instrumentation for a minimum of five years. This period of retention shall be extended during the course of any unresolved litigation or administrative enforcement action regarding the discharge of pollutants by the permittee or when requested by the director or Regional Administrator.

12. Falsifying Report

Knowingly making any false statement on any report required by this general permit may result in the imposition of criminal penalties as provided for in Section 309 of the Act and in section 342D-35, HRS.

CHAPTER 11-55 APPENDIX H

TABLE 34.6

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS
FOR DISCHARGES OF TREATED EFFLUENT FROM
PETROLEUM BULK STATIONS AND TERMINALS

Effluent Parameter	Effluent Limitations {1}		Monitoring Requirements {2}	
	For Saline Water	For Fresh Water	Minimum Frequency	Type of Sample
Quantity of Discharge (gallons)	{3}	{3}	Once/Batch Discharge	Calculated or Estimated
Oil and Grease (mg/l)	15	15	Once/Batch Discharge	Grab {4}
Total Recoverable Lead (mg/l) {5}	0.14	0.029	Once/Batch Discharge	Grab
Benzene (mg/l) {6}	1.7	1.8	Once/Batch Discharge	Grab
Toluene (mg/l) {6}	2.1	5.8	Once/Batch Discharge	Grab
Xylenes (mg/l) {6}	{3}	{3}	Once/Batch Discharge	Grab
Ethyl benzene (mg/l) {6}	0.14	11	Once/Batch Discharge	Grab
Turbidity (NTU)	{7}	{7}	Once/Batch Discharge	Grab
Ammonia Nitrogen (NH ₄ -N mg/l)	{7}	{7}	Once/Batch Discharge	Grab
pH (standard units) {8}	{7}	{7}	Once/Batch Discharge	Grab {9}

CHAPTER 11-55 APPENDIX H

Effluent Parameter	Effluent Limitations {1}		Monitoring Requirements {2}	
	For Saline Water	For Fresh Water	Minimum Frequency	Type of Sample
Dissolved Oxygen (%saturation)	{7}	{7}	Once/Batch Discharge	Grab

mg/l = milligrams per liter

NTU = nephelometric turbidity units

NOTES:

- {1} Pollutant concentration levels shall not exceed the effluent limits or be outside the ranges indicated in the table. Actual or measured levels which exceed those effluent limits or are outside those ranges shall be reported to the director as required in section 8(c) of this general permit.
- {2} No monitoring of storm water discharge is required if the associated storm event occurs less than seventy-two hours from a previous storm event or provided that the preceding storm event generates storm water which is discharged and monitored for all effluent characteristics specified in accordance with Table 34.6 or both.
- {3} No limitation at this time. Only monitoring and reporting is required.
- {4} Oil and Grease shall be measured by the EPA Method 1664, Revision A.
- {5} The permittee shall test for the total recoverable portion of all metals.
- {6} EPA methods 5030/8015, or 5030/8020, or 5030/8240, or 602, or 624, shall be used for measurement of

CHAPTER 11-55 APPENDIX H

benzene, ethyl benzene, and toluene. EPA method 8240, or an equivalent method approved by the director, shall be used for the measurement of xylenes.

- {7} Effluent limitations are the specific criteria established in section 11-54-05 and 11-54-06 for the classification of the receiving state waters, as applicable. For pollutants which do not have established specific criteria, the permittee shall report any detected concentration greater than 0.01 µg/l.
- {8} The permittee may determine compliance for pH by either monitoring the effluent or the receiving state water. Receiving state water monitoring shall be performed at a minimum of two stations. One sample station shall be monitored at the point where the discharge initially mixes with the receiving state water. One control station shall be monitored at a point where impacts from the discharge would not be expected. The monitoring specification shall be set forth in a monitoring program as approved by the director.
- {9} The permittee shall measure pH within fifteen minutes of obtaining the grab sample.